From: Johnson, Nels [Nels.Johnson@aptim.com]
Sent: Thursday, October 22, 2020 10:10 AM
To: Larson, Leo M CTR (USA) [leo.m.larson.ctr@navy.mil]; Stoick, Paul T CIV USN NAVFAC SW SAN CA (USA) [paul.stoick@navy.mil]; Pauly, Brooks CIV USN BRAC PMO SAN CA (USA) [brooks.pauly@navy.mil]
CC: Click, James [james.click@aptim.com]; Hoch, Kevin [Kevin.Hoch@aptim.com]; Ayala, Mike [Mike.Ayala@aptim.com]; Engel, Audrey [Audrey.Engel@aptim.com]
Subject: [Non-DoD Source] RE: HPNS, CTO 024 Parcel E Shoreline Revetment, RFI #001
Attachments: DOC102220.pdf; DOC102220.pdf; EX02B369 PARTIAL Con Summary.pdf; EX02B355 PARTIAL Con Summary OX_Needed.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Leo –
Attached is some additional information that that may supplement the decision/direction of the subject RFI.

Attached are the results of the confirmation samples we collected from the excavations EX02B359 and EX02B355.

Bottom line, the only result that exceeds the Tier 2 action level is sample we collected beneath the AST foundation at 7.5 fbgs. This sample is labeled EX02B355-SW-02 and had Diesel and TPH-Total (Calc) results of 5,400 and 8,314 mg/kg respectively.

Section 8.3.6 of the work plan states, “if residual contamination is limited to TPH only, further excavation may be addressed under the TPH program”.

The future effort (if applicable) associated with the AST foundation and residual TPH in soil beneath the foundation, may be a good candidate to be added to the TPH program.

APTIM is recommending backfilling of EX02B359 and EX02B355 based on the attached results.

If you have any questions, let me know.

Thanks, Nels

From: Ayala, Mike <Mike.Ayala@aptim.com>
Sent: Thursday, October 15, 2020 1:43 PM
To: Larson, Leo M CTR (USA) <leo.m.larson.ctr@navy.mil>
Cc: Stoick, Paul T CIV NAVFAC SW <paul.stoick@navy.mil>; Johnson, Nels <Nels.Johnson@aptim.com>; Click, James <james.click@aptim.com>; Hoch, Kevin <Kevin.Hoch@aptim.com>
Subject: HPNS, CTO 024 Parcel E Shoreline Revetment, RFI #001

Leo –
For your review and response, please see the attached Request for Information (RFI) related to the planned remedial excavation area EX02B369.
As has been discussed, APTIM is requesting Navy direction on a final course of action to address the unexpected discovery of a buried concrete slab within the footprint of excavation area EX02B369.
Please note this RFI contains attachments, including a marked-up site figure and photographs.

Your attention to this matter is much appreciated. If you have any questions regarding this submittal or the project in general, please feel free to contact me directly at (925) 408-7121.

Thank you,

Mike Ayala, P.E.
Project Engineer

APTIM | Technical Services

O (925) 288-2158
M (925) 408-7121 (Until further notice)
E mike.ayala@aptim.com

APTIM
4005 Port Chicago Highway, Suite 200
Concord, CA 94520-1120

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APTIM

Aptim Federal Services LLC

DATE	10	9	20
TIME	1319		
PAGE	1	OF	2
PROJECT NO.	500712		

SAMPLE COLLECTION LOG

PROJECT NAME **HPNS Parcel E - Phase 1**

EXCAVATION NAME **EX02B369**

SAMPLE LOCATION **HPNS PARCEL E**

SAMPLE TYPE ☑ Soil ☐ Water ☐ Air ☐ Other (give description)

COMPOSITE ☐ YES ☑ NO

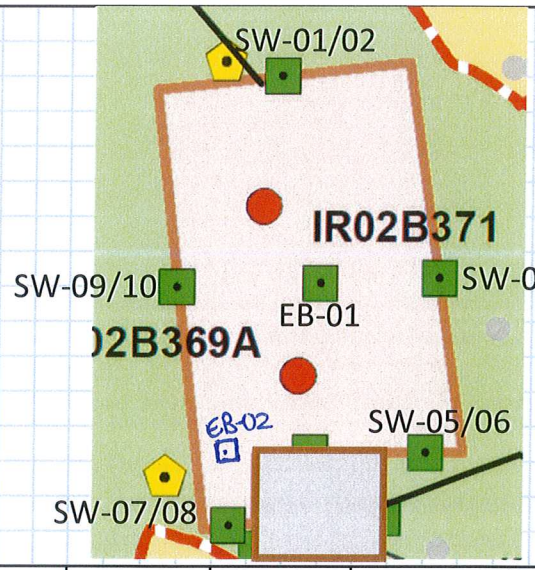
COMPOSITE TYPE N/A

DEPTH OF SAMPLE see below

WEATHER clear

MAP Below

ANALYSES		CONTAINER AND AMOUNT COLLECTED	
☐ PCBs	☐ PAHs	☑ 8 - OZ JARS	3
☑ Metals	☐ OCP	☐ 4 - OZ JARS	
☑ TPH	☐ SVOC	☑ TerraCore	
☐ Gamma Spec		☐ 16 - OZ JARS	



Excavated down to 10ft due to oil on bottom

concrete covering most of excavation @ ~2 ft depth

Sample ID	Location	Depth (ft)	Analysis	Notes
~~EX02B369-EB-01~~	~~Bottom~~	~~10~~	~~Copper, Lead; TPH~~	
EX02B369-EB-02	Bottom	10	Copper, Lead; TPH	10/9/20 1405 oily
~~EX02B369-SW-01~~	~~Sidewall~~	~~2.5~~	~~Copper, Lead; TPH~~	
EX02B369-SW-02	Sidewall	7.5	Copper, Lead; TPH	
EX02B369-SW-03	Sidewall	2.5	Copper, Lead; TPH	
EX02B369-SW-04	Sidewall	7.5	Copper, Lead; TPH	
EX02B369-SW-05	Sidewall	2.5	Copper, Lead; TPH	
~~EX02B369-SW-06~~	~~Sidewall~~	~~7.5~~	~~Copper, Lead; TPH~~	
EX02B369-SW-07	Sidewall	2.5	Copper, Lead; TPH	10/9/20 1319
EX02B369-SW-08	Sidewall	7.5	Copper, Lead; TPH	↓ 1324
~~EX02B369-SW-09~~	~~Sidewall~~	~~2.5~~	~~Copper, Lead; TPH~~	
~~EX02B369-SW-10~~	~~Sidewall~~	~~7.5~~	~~Copper, Lead; TPH~~	

Collected By: Audrey Engel Date: 10/9/20 Time: 1319

Relinquished to: _____ Date: _____ Time: _____

APTIM

Aptim Federal Services LLC

DATE	10	9	20
TIME	1307		
PAGE	2	OF	2
PROJECT NO.	500712		

SAMPLE COLLECTION LOG

PROJECT NAME **HPNS Parcel E - Phase 1**

EXCAVATION NAME **EX02B355**

SAMPLE LOCATION **HPNS PARCEL E**

SAMPLE TYPE ☑ Soil ☐ Water ☐ Air ☐ Other (give description)

COMPOSITE ☐ YES ☑ NO

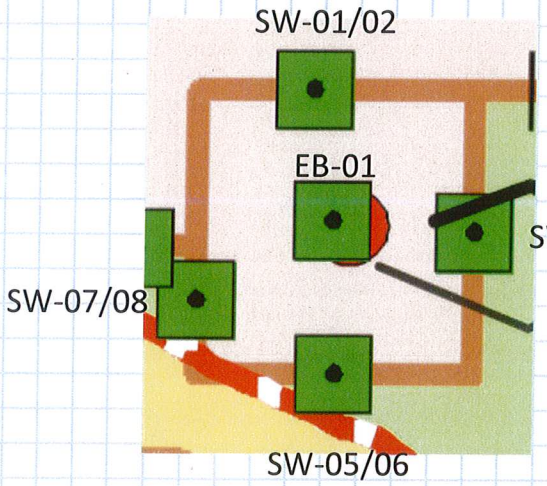
COMPOSITE TYPE N/A

DEPTH OF SAMPLE see below

WEATHER clear

MAP Below

ANALYSES		CONTAINER AND AMOUNT COLLECTED	
☐ PCBs	☐ PAHs	☑ 8 - OZ JARS	8
☐ Metals	☐ OCP	☐ 4 - OZ JARS	
☑ TPH	☐ SVOC	☑ TerraCore	
☐ Gamma Spec		☐ 16 - OZ JARS	



Excavated down to 10ft due to oil on bottom

concrete covering SW-01/02 @ ~2ft depth

Sample ID	Location	Depth (ft)	Analysis	Notes
EX02B355-EB-01	Bottom	10	TPH	10/9/20 1359 shells
EX02B355-SW-01	Sidewall	2.5	TPH	concrete
EX02B355-SW-02	Sidewall	7.5	TPH	10/9/20 1353
EX02B355-SW-03	Sidewall	2.5	TPH	10/9/20 1340
EX02B355-SW-04	Sidewall	7.5	TPH	↓ 1345
EX02B355-SW-05	Sidewall	2.5	TPH	10/9/20 1329
EX02B355-SW-06	Sidewall	7.5	TPH	↓ 1333
EX02B355-SW-07	Sidewall	2.5	TPH	10/9/20 1307
EX02B355-SW-08	Sidewall	7.5	TPH	↓ 1313

Collected By: Audrey Engel Date: 10/9/20 Time: 1307

Relinquished to: _____ Date: _____ Time: _____

EOS-4: EX02B355

Analytical Results for Final Confirmation Soil Samples at Excavation EX02B355

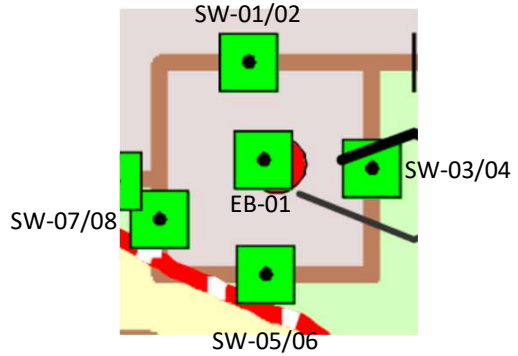
Remedial Action at Parcel E - Phase 1

Hunters Point Naval Shipyard, San Francisco, California

			At maximum depth		*concrete at SW-01 location*															
		Location	EX02B355-EB-01		EX02B355-SW-01		EX02B355-SW-02		EX02B355-SW-03		EX02B355-SW-04		EX02B355-SW-05		EX02B355-SW-06		EX02B355-SW-07		EX02B355-SW-08	
		Sample Date	10/9/2020				10/9/2020		10/9/2020		10/9/2020		10/9/2020		10/9/2020		10/9/2020		10/9/2020	
		Sample Depth	10		2.5		7.5		2.5		7.5		2.5		7.5		2.5		7.5	
Parameter	***Tier 2 Action Level***	**Units**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Total Petroleum Hydrocarbons (TPH)																				
Diesel	3500	mg/kg	5.6	J			**5400**		21		14	Q	150		200		10		330	
Motor Oil	3500	mg/kg	13	J			2900		50		26	Q	230		380		24		500	
Gasoline	3500	mg/kg	2.7	U			14		2.0	U	2.3	U	2.3	U	2.3	U	2.9	U	2.2	U
TPH-Total (CALC)	3500	mg/kg	21.3		0		**8314**		73		42.3		382.3		582.3		36.9		832.2	

Notes:

Bold and Highlighted	*Equal to or Exceeds Tier 2 Action Level*
mg/kg	*milligram per kilogram*
J	*The analyte was analyzed for and was positively identified, but the reported numerical value is estimated*
J1	*Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.*
U	*The analyte was analyzed for but was not detected at the limit of detection*
UJ	*The analyte was not detected above the reported sample quantitation limit, the reported quantitation limit is estimated*
Q	*Lab Qualifier*



EOS-4: EX02B369

Analytical Results for Final Confirmation Soil Samples at Excavation EX02B369

Remedial Action at Parcel E - Phase 1

Hunters Point Naval Shipyard, San Francisco, California

Concrete covering most of excavation; samples EB-02, SW-07/08 collected only

Parameter	Tier 2 Action Level	Location	EX02B369-EB-01		EX02B369-EB-02		EX02B369-SW-01		EX02B369-SW-02		EX02B369-SW-03		EX02B369-SW-04		EX02B369-SW-05		EX02B369-SW-06		EX02B369-SW-07		EX02B369-SW-08		EX02B369-SW-09		EX02B369-SW-10	
		Sample Date			10/9/2020														10/9/2020		10/9/2020					
		Sample Depth	10		10		2.5		7.5		2.5		7.5		2.5		7.5		2.5		7.5		2.5		7.5	
		Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals																										
Copper	2350	mg/kg			32	J1													33		420					
Lead	775	mg/kg			12														6.6		76					
Total Petroleum Hydrocarbons (TPH)																										
Diesel	3500	mg/kg			910														36		260					
Motor Oil	3500	mg/kg			520														58		480					
Gasoline	3500	mg/kg			3.9														6.7		2.6	U				
TPH-Total (CALC)	3500	mg/kg	0		1434		0		0		0		0		0		0		100.7		742.6		0		0	

Notes:

Bold and Highlighted	*Equal to or Exceeds Tier 2 Action Level*
mg/kg	*milligram per kilogram*
J	*The analyte was analyzed for and was positively identified, but the reported numerical value is estimated*
J1	*Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.*
U	*The analyte was analyzed for but was not detected at the limit of detection*
UJ	*The analyte was not detected above the reported sample quantitation limit, the reported quantitation limit is estimated*
Q	*Lab Qualifier*